U.S. ENVIRONMENTAL PROTECTION AGENCY



PREMANUFACTURE NOTICE



Date of receipt

07 KAY 11 711 6: 08

in the Premanufacture Notice







- Before you complete this form, you should read the "Instructions Manual for Premanufacture Notification" (the Instructions Manual is available from the Toxic Substances Control Act (TSCA) Information Service by calling 202-554-1404, or faxing 202-554-5603)
- If a user fee has been remitted for this notice (40 CFR 700 45), indicate in the boxes above the TS-user fee identification number you have generated Remember, your user fee ID number must also appear on your corresponding fee remittance, which is sent to EPA, HQ Accounting Operations Branch (PM-226), P O 360399M, Pittsburgh, PA 15251-6399, Attn TSCA User fee

Test Data

Part I - GENERAL INFORMATION

You must provide the currently correct Chemical Abstracts (CA) Name of the new chemical substance, even if you claim the identity as confidential. You may authorize another person to submit chemical identity information for you, but your submission will not be complete and the review will not begin until EPA receives this information. A letter in support of your submission should reference your TS user fee identification number You must submit an original and two copies of this notice including all test data If you claimed any information as confidential, a single sanitized copy must also be submitted

Part II - HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE

If there are several manufacture, processing, or use operations to be described in Part II, sections A and B of this notice, reproduce the sections as needed

Part III - LIST OF ATTACHMENTS

Attach additional sheets if there is not enough space to answer a question fully Label each continuation sheet with the corresponding section heading. In Part III, list these attachments, any test data or other data and any optional information included in the

OPTIONAL INFORMATION

You may include any information that you want EPA to consider in evaluating the new substance On page 11 of this form, space has been provided for you to described pollution prevention and recycling information you may have regarding the new

So-called "binding" boxes are included throughout this form for you to indicate your willingness to be bound to certain statements you make in this section, such as use, production volume, protective equipment This option is intended to reduce delays that routinely accompany the development of consent orders or Significant New Use Rules Except in the case of exemption applications (such as TMEA, LVE, LOREX) where certain information provided in such notification is binding on the submitter when the Agency approves the exemption application, checking a binding box in this notice does not by itself prohibit the submitter from later deviating from the information (except chemical identity) reported in the form

CONFIDENTIALITY CLAIMS

You may claim any information in this notice as confidential. To assert a claim on the form, mark (X) the confidential box next to the information that you claim as confidential To assert a claim in an attachment, circle or bracket the information you claim as confidential If you claim information in the notices as confidential, you must also provide a sanitized version of the notice, (including attachments) For additional instructions on claiming information as confidential, read the Instructions Manual

Mark (x) if any information in this notice is claimed as confidential

TEST DATA AND OTHER DATA

You are required to submit all test data in your possession or control and to provide a description of all other data known to or reasonably ascertainable by you, if these data are related to the health and environmental effects on the manufacture, processing, distribution in commerce, use, or disposal of the new chemical substance Standard literature citations may be submitted for data in the open scientific literature Complete test data (written in English), not summaries of data, must be submitted if they do not appear in the open literature You should clearly identify whether test data is on the substance or on an analog Also, the chemical composition of the tested material should be characterized Following are examples of test data and other data. Data should be submitted according to the requirements of §720 50 of the Premanufacture Notification Rule (40 CFR Part 720)

(Check Below any included in this notice)

 Enviror 	nmental fate data		Yes	•	Other data		Yes
 Health 	effects data		Yes		Risk assessme	ents	
• Enviro	nmental effects data		Yes		Structure/activ	vity re	lationships
 Physica 	al/Chemical Properties*	⊠	Yes		Test data not a or control of t		
A phys	ical and chemical properti	es wor	ksheet is	loca	ted on the last p	oage o	f this form
TYPE OF 1	NOTICE	(Che	ck Only	One)		
\boxtimes	PMN (Premanufacture	Notice))				
	INTERMEDIATE PMI	V (subr	intted in	sequ	ence with final	produ	ct PMN)
	SNUN (Significant Nev	w Use i	Notice)				
	TMEA (Test Marketing	Exem	ption Ap	plica	ition)		
	LVE (Low Volume Exe	emption	1) @ 40	CFR	723 50(c)(1)		
	LOREX (Low Release/	Low E	xposure	Exen	nption) @ 40 C	FR 72	3 50(c)(2)
	LVE Modification			L	OREX Modifica	ation	
IS THIS A	CONSOLIDATED PMN	,		Y	es		Sale Si
# of che (Prenoti	emicals ice Communication # requ	ured, e	nter # on	page	e 3)		

Public reporting burden for this collection of information is estimated to average 110 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M. St., S.W., Washington, D.C. 20460; and to the Office of Management and Budget, Paperwork Reduction Act (2070-0012), Washington, D.C. 20503.

CERTIFICATION

I certify that to the best of my knowledge and belief:

- The company named in Part I, section A, subsection Ia of this notice form intends to manufacture or import for a
 commercial purpose, other than in small quantities solely for research and development, the substance identified in Part I,
 Section B.
- 2. All information provided in this notice is complete and truthful as of the date of submission.

 I am submitting with this notice all test data in my possession or control reasonably ascertainable by me as required by §720.50 of the Premanufa 	and a description of all other data katerian and a description Rule.	nown to or
Additional Certification Statements:		
If you are submitting a PMN, Intermediate PMN, Consolidated PMN, or SN statement that applies:	UN, check the following user fee ce	rtification
☐ The Company named in Part I, Section A has remitted the fee of \$2500	specified in 40 CFR 700.45(b), or	
The Company named in Part I, Section A has remitted the fee of \$1000 700.43) in accordance with 40 CFR 700.45(b), or	for an Intermediate PMN (defined @	40 CFR
The Company named in Part I Section A is a small business concern und in accordance with 40 CFR 700.45(b).	der 40 CFR 700.43 and has remitted	a fee of \$100
If you are submitting a low volume exemption (LVE) application in accordance with 40 C statements:		
The manufacturer submitting this notice intends to manufacture or impo purposes, other than in small quantities solely for research and development of the control of the c		
The manufacturer is familiar with the terms of this section and will com	ply with those terms; and	
The new chemical substance for which the notice is submitted meets all	applicable exemption conditions.	
If this application is for an LVE in accordance with 40 CFR 723.50(c)(1 manufacture of the exempted substance for commercial purposes within review period.		
The accuracy of the statements you make in this notice should reflect your best prediction of the anticipat described herein. Any knowing and willful misinterpretation is subject to criminal penalty pursuant to 18	8 USC 1001.	Confidential
Signature and title of Authorized Official (Original Signature Required)	Date	x
Signature of agent - (if applicable)	Date	

Carlin A CUDA	Part I GE	NERAL INFORMATION	ON			
Section A SUB	MITTER IDENTIFICATION Mark () the "Confidential" box next	to any subsection you claim as	s confidential			Confi-
la Person	Name of authorized official	Position	Communitian		-	dential
Submitting Notice (in U.S.)						x
	Company		-			Michael Control
						B S S S
	Mailing address (number and street)					
	and successive success					
	City State 7ID Code					
	City, State, ZIP Code					
	· · · · · · · · · · · · · · · · · · ·					
b Agent (if applicable)	Name of authorized official	Position				
	Company					BUS S
	Mailing address (number and street)					
					15	
	City, State, ZIP Code	Telephone	Area Code	Number		
					-	
c If you are subm	itting this notice as part of a joint submission, mark (X)	this box				
Joint Submitter (if	Name of authorized official					
applicable)	Name of authorized official	Position				
	Company					The state of the s
					- }	
	Mailing address (number and street)					
	City, State, ZIP Code	Telephone	Area Code	Number		
	,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	THE COUL	Tramber		
2 Technical	Name of authorized official	Parity		1		
Contact (in	Name of audiorized official	Position			ш.	
US)		President			(4)	x
	Company					
	Constitution of the Consti					24
	Mailing address (number and street)					188
	(10 May 11 Sept 10 May 11 May					
	City, State, ZIP Code	Telephone	Area Code	Number		27.6
	Houston, 1x, 77220			- 400	1001111	WC Land
3 If you have had a	prenotice communication (PC) concerning this notice					2 47 74
and EPA assigned	d a PC Number to the notice, enter the number		Mark (X)		\boxtimes	
	·		ıf none			
4 If you previously	submitted an exemption application for the chemical d by this notice, enter the exemption number assigned by					
EPA If you prev	nously submitted a PMN for this substance enter the	P070371	Mark (X) if none		\boxtimes	
	igned by EPA (i.e. withdrawn or incomplete.) itted a notice of Bona fide intent to manufacture or import					
for the chemical s	substance covered by this notice, enter the notice number		Mark (X)		\boxtimes	
assigned by EP/		©	if none			
	1. Manufacture	2. Impor	t 1			
6 Type of Notic	e - Mark (X) Only	Only		3 🔲 B	Both	
	Binding Option Mark (X)		ng Option		St. Labor	Garago
	Widik (A)	Mark	(A)			

Part I GENERAL INFORMATION Continued		
Section B CHEMICAL IDENTITY INFORMATION: You must provide a currently correct Chemical Abstracts (CA)	name of the substa	nce based on
the ninth Collective Index (9Cl) of CA nomenclature rules and	conventions	
Mark (X) the "Confidential" box next to any item you claim as confidential		
Complete either item 1 (Class 1 or 2 substances) or 2 (Polymers) as appropriate Complete all other items		
If another person will submit chemical identity information for you (for either I en I or 2), mark (X) the box at the right	Г	Confi-
Identify the name, company, and address of that person in a continuation sheet	→ □ 1	dential
Class 1 or 2 chemical substances (for definitions of class 1 and class 2 substances, see the Instructions Manual)		
a Class of substance - Mark (X) 1 Class 1 or 2 Class 2		
b Chemical name (Currently correct Chemical Abstracts (CA) Name that is consistent with TSCA Inventory listings for similar sul		
For Class 1 substances a CA Index Name must be provided For Class 2 substances either a CA Index Name or CA Preferred Na	bstances	
be provided, which ever is appropriate based on CA 9Cl nomenclature rules and conventions)	ame must	
of provided, which ever is appropriate based on CA 9CT nonnentrature rules and conventions)	L	
<u>~</u>		
District of the state of the st		
c Please identify which method you used to develop or obtain the specified chemical identity information reported in this notice (c	check one).	
Method 1 (CAS Inventory Expert Service - a copy of the Identification		
report obtained from the CAS Inventory Expert Services must be		
submitted as an attachment to this notice)		
d Molecular formula and CAS Registry Number (if a number already exists for the substance)		
	1	
CAS#		
e For a class 1 substance, provide a complete and correct chemical structure diagram. For a class 2 substance - (1) List the immedi		
DISCUISOR SHIPMARKES WITH THEIR RESIDENTIAL AN KENISTRY NUMBERS 1711 DESCRIBE THE HARDES OF THE REACTION OF PROCESS 171 Indica	ite tite	
precursor substances with their respective CAS Registry Numbers (2) Describe the nature of the reaction or process (3) Indica range of composition and the typical composition (where appropriate) (4) Provide a correct representative or partial chemical strangerous as complete as can be known, if one can be reasonably ascertained	- L	
range of composition and the typical composition (where appropriate) (4) Provide a correct representative or partial chemical sti- diagram, as complete as can be known, if one can be reasonably ascertained	- L	ion
range of composition and the typical composition (where appropriate) (4) Provide a correct representative or partial chemical stidiagram, as complete as can be known, if one can be reasonably ascertained To Move from this Section to the next protected	d sect	
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Part I GENERAL INFOR	RMATIO	V Continue	ed			
Section B CHEMICAL IDENTITY INFORMATION Continued						
Polymers (For a definition of polymer, see the Instructions Manual.)						Confi- dential
a Indicate the number-average weight of the lowest molecular weight composite lindicate maximum weight percent of low molecular weight species (not inclubelow 1,000 absolute molecular weight of that composition	tion of the po iding residua	lymer you intend I monomers, read	to manufactants, or so	cture olvents) belo	ow 500 and	х
Describe the methods of measurement or the basis for your estimates GPC		Other [] (Sp	ecify) _			
lowest number average molecular weight						
n) maximum weight % below 500 molecular weight				¥6		
iii) maximum weight % below 1000 molecular weight						
Mark (X) this box if you attach a continuation sheet					_	
b You must make separate confidentiality claims for monomer or other reactan	t identity, coi	mposition inform	ation, and r	esidual info	ormation Mark	(X) the
"Confidential" box next to any item you claim as confidential (1) - Provide the specific chemical name and CAS Registry Number (if the polymer						Z-04-54-04-04-05
 (2) - Mark (X) this column if entry in column (1) is confidential (3) - Indicate the typical weight percent of each monomer or other reac 						
(4) - Mark (X) the identity column if you want a monomer or other read description on the TSCA Chemical Substance Inventory (5) Mark (X) this column is extractly as a column of (A) and (A) are confident.		two weight perce	ent or less to	be listed a	s part of the poly	mer
 (5) - Mark (X) this column if entries in columns (3) and (4) are confide (6) - Indicate the maximum weight percent of each monomer or other recommercial purposes. 	ntial eactant that n	nay be present as	a residual i	in the polyn	ner as manufactu	red for
(7) - Mark (X) this column if entry in column (6) is confidential						
Monomer or other reactant and CAS Registry Number	Confi- dential	Typical composition	Identity Mark (X)	Confi- dential	Maximum residual	Confi- dential
and a stiglist contract of which is a district was in the property stiglists	(2) X	(3)	(4)	(5) X	(6)	(7) X
THE RESIDENCE	x	%		х	%	х
The state of the second of the	x	%		х	%	x
LETCHWAIL POWER CONTRACTOR	х	%		х	%	x
		%			%	
		%			%	
		%			%	
Mark (X) this box if you attach a continuation sheet						E POTE
c Please identify which method you used to develop or obtain the specified cher Method 1 (CAS Inventory Expert Service - a copy of the identification		Method 2 (c			eck one).	0
obtained from CAS Inventory Expert Service must be submitted as a sattachment to this notice)	S					420
d. The currently correct Chemical Abstracts (CA) name for the polymer that is c	onsistent wit	h TSCA Invento	ry listings fo	or similar p	oolymers	Х
e Provide a correct representative or partial chemical structure diagram, as com	plete as can b	oe known, if one	can be reaso	onably asce	rtained	
					l	x
	(STREAM)	for CVORder or a	Was the B	atting and	A survey to Profite	
The same of the sa	1	6		1	7	OH
	15			2 <n< td=""><td>9</td><td>Ì</td></n<>	9	Ì
Mark (X) this box if you attach a continutation sheet.						
EPA FORM 7710-25 (Pey 5-05)	0.50	35 - 14W - 15		THE R. D. LEWIS CO.		

Part I GENERAL INFORMATION Cont	inued	
Section B - CHEMICAL IDENTITY INFORMATION - Continued		
3 Impurities (a) - Identify each impurity that may be reasonably anticipated to be present in the chemical substance as CAS Registry Number if available If there are unidentified impurities, enter "unidentified" (b) - Estimate the maximum weight % of each impurity. If there are unidentified impurities, estimate their		Provide the
Impurity and CAS Registry Number	Maximum percent	Confi- dential
None Known	(b)	-
None known	%	
	%	
	%	
	%	
	%	
	%	
	%	
	70	
Mark (X) this box if you attach a continuation sheet		
4 Synonyms - Enter any chemical synonyms for the new chemical identified in subsection 1 or 2		Confi-
THE RECENT OF THE PARTY OF THE		dential
		^
Mark (V) this have from attack a partner of the		The state of the s
Mark (X) this box if you attach a continuation sheet Trade identification - List trade names for the new chemical substance identified in subsection 1 or 2	1	The state of the
Trade identification - List trade maines for the new chemical substance identified in subsection 1 of 2		X
CAR CHARLEST MARKET		
Mark (X) this box if you attach a continuation sheet		California de la calegrapia de la calegr
6. Generic chemical name - If you claim chemical identify as confidential, you must provide a generic name for y the specific chemical identity of the new chemical substance to the maximum extent TSCA Chemical Substance Inventory, 1985 Edition, Appendix B for guidance on de Polyester Polyol	possible Refer to the	
Mark (X) this box if you attach a continuation sheet.		
7. Byproducts - Describe any byproducts resulting from the manufacture, processing, use, or disposal of the new	chemical substance Provide the CAS	Registry
Number if available Byproduct	CAS Registry Number	Confi-
(1)	(2)	dential
None Known		
	Aug (Se.	
Mark (X) this box if you attach a continuation sheet		

			RAL II			ON-	Cont	inued				
Section C PRODUCTION, IMPOR												
Mark (X) the "Confident 1. Production volume Estimate the max	imum	ox next t	o any iter	n you o	the first 1	confid	the of pro	duction	Also astim	note the me		
production volume for any consecutive 1	2-mor	th period	during the	first th	ree years	of pro	duction. 1	Estimates :	should be	on 100% r	new chem	ical
substance basis. For a Low Volume Exe	mption	n applicat	ion, if you	choose	to have ye	our no	tice revie	wed at a lo	wer prod	uction volu	ime than	10,000
kg/yr, specify the volume and mark (x) i Maximum first 12-month produ			x. II gran					duction (leastern)	Cor	6 D	ndina
(100% new chemical substan								ibstance l		den	tial O	nding ption
`			-+							-	Ma	rk (x)
							200820			_ X	:	
2. Use Information You must make sepa	arate co	onfidentia	lity claims	for the	description	on of t	he catego	ry of use. 1	the percer	it of produc	ction volu	me
devoted to each category, the formulation	n of th	ie new sul	ostance, ar	d other	use inforr	nation	. Mark (X) the "Co	nfidential	" Box next	to any ite	em
you claim as confidential. a. (1) Describe each intended cate	gory o	fuse of th	c new che	mical c	shetance h	w func	tion and	nnliantia				
(2) Mark (X) this column if entr	y colu	mn (1) is	confidenti	al busin	ess inform	nation	(CBI).	аррисация	1			
(3) Indicate your willingness to	have t	he inform	ation prov	ided in	column (1) bind	ing.					
(4) Estimate the percent of total(5) Mark (X) this column if entr	produ v in co	ction for t	he first thi	ree year	s devoted	to eac	h categor	y of use.				
(6) Estimate the percent of the r	ew sul	ostance as	formulate	d in mi	xtures, sus	spensi	ons, emul	sions, solu	tions, or	gels as mar	ufactured	for
commercial purposes at sites	under	your con	trol associ	ated wi	th each car	tegory	of use.			-		
(7) Mark (X) this column if entr (8) Indicate % of product volum	y in co	cted for t	ns connue he listed "i	ntiai bu: use" sec	siness into	rmatio	on (CBI). e than one	hox if an	nronriate	Mark (Y)	to indica	te
your willingness to have the	use ty	pe provid	ed in (8) b	inding.					propriate.	· Mar(A)	to marca	ic
(9) Mark (X) this column if entr Category of use (1)		in column				-	information					,
Category of use (1)	CBI	Option	Produc- tion %	CBI	% in Form-	CBI		% of subs	tance expe (8)	cted per use		CBI
(by function and application i.e. a dispersive dye	(2)	Mark (x) (3)	_(4)	(5)	ulation	(7)	Site-	Con-*	Indus-	Com-	Binding	1
	(2) X		%	(5)	(6) 40%	(7)	limited	sumer	trial	mercial	Option	(9)
			- ~		%				^			
			%		%		-					-
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	, . 											
			%		%	-		-	-			-
			%		%							1 10
* If you have identified a "consumer" use, please	provide	on a conti	nuation she	et a deta	iled descrip	tion of	the use(s)	of this cher	nical subst	ance in cons	umer prod	ucts
In addition include estimates of the concentration substance loses its identity in the consumer production.	n of the luct	new chen	itcal substa	nce as ex	pected in c	onsum	er products	and descri	be the chen	nical reactio	ns by whic	h this
Mark (X) this box if you attach a continuation	sheet.		•									
b Generic If you claim any categor						tial, ent	ter a generi	c descriptio	n of that ca	ategory Rea	ad the	
use Instructions Manual description Polyol componen					230	At						
description Polyol componen	t III pt	nyester	resiii sy	nuresi	s - uestri	uctive	e use					
						3980						
Mark (X) this box if you attach a continuation												
Hazard Information Include in the notice a conformation which will be provided to any person	opy of on who	reasonable is reasonab	facsimile of	f any ha	zard warning and to this s	ig state	ment, labe	l, material s	afety data	sheet, or oth	e Op	ding tion
for the safe handing, transport, use, or disposal of	of the no	w substan	ce List in	part III h	azard infori	mation	you includ	e	-darbinot	o. praetice	Mar	k (x)
Mark (X) this box if you attach hazard inform	2					5-7						
Mark (X) this box if you attach hazard inform	ation											

Part II-- HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE Section A -- INDUSTRIAL SITES CONTROLLED BY THE SUBMITTER Mark (X) the "Confidential" box next to any item you claim as confidential Complete section A for each type of manufacture, processing, or use operation involving the new chemical substance at industrial sites you control. Importers do not have to complete this section for operations outside the U.S.; however, you may still have reporting requirements if there are further industrial processing or use operations after import. You must describe these operations. See instructions manual 1. Operation description Confi-Identity -- Enter the identity of the site at which the operation will occur. dential Name Site address (number and street) City, County, State, ZIP code If the same operation will occur at more than one site, enter the number of sites. Identify the additional sites on a continuation sheet, and if any of the sites have significantly different production rates or operations, include all the information requested in this section for those sites as attachments. Mark (X) this box if you attach a continuation sheet Type --Mark (X) Manufacturing Use Processing Amount and Duration -- Complete 1 or 2 as appropriate Maximum kg/batch (100% new chemical Hours/batch Batches/year X 1. Batch Maximum kg/batch (100% new chemical Hours/batch Batches/year 2 Continuous Mark (X) to indicate your willingness to have your process description binding d. Process description X Diagram the major unit operation steps and chemical conversions Include interim storage and transport containers (specify- e.g. 5 gallon pails, 55 gallon drum, rail car, tank truck, etc) Provide the identity, the approximate weight (by kg/day or kg/batch on a 100% new chemical substance basis), and entry point of all starting materials and feedstocks (including reactants, solvents, catalysts, etc.), and of all products, recycle streams, and wastes Include cleaning chemicals (note frequency if not used daily or per batch) Identify by number the points of release, including small or intermittent releases, to the environment of the new chemical substance. Mark (X) this box if you attach a continuation sheet

	Part II- HU	MAN	EXPOS	URE AND	ENVI	RONMEN	TAL F	REL	EASE -	- Con	tinued		
Section	A INDUSTRIAL S	ITES	CONTRO	LLED BY T	HE SUI	BMITTER	Continu	ied					7
2. Occi	upational Exposure You r	nust mak	e separate con	nfidentiality clai	ms for the	description of wor	ker activi	ty, phy	sical form of	of the no	w chemica	substance	e,
(1)	ber of works exposed, and du- Describe the activities (i.e. h	ration of	activity Ma	rk (X) the "Conf	fidential" b	ox next to any iter	n you cla	im as c	onfidential				
(2)	Mark (X) this column if enti	ry in colu	mn (1) is con	ifidential busines	ums, samp ss informat	ting, cleaning, etc) in which	n work	ers may be o	exposed	to the subs	tance	
(3)	Describe any protective equ	ipment a	nd engineerin	g controls used t	o protect v	workers							
(4) a	nd (6) Indicate your willing	gness to h	nave the infor	mation provided	ın column	1 (3) or (5) binding	١.		26 (24)	12 6			
(3)	Indicate the physical form(s at the time of exposure	or the n	ew chemical	substance (e g ,	solid cryst	tal, granule, powde	er, or dust) and 9	6 new chem	ical sub	stance (if p	art of a mi	xture)
(7)	Mark (X) this column if enti	y in colu	mn (5) is con	fidential busines	s informat	tion (CBI)							
(8)	Estimate the maximum num	ber of wo	orkers involve	ed in each activit	v for all si	tes combined							
(9)	Mark (X) this column if enti and (11) Estimate the maxis	y in colu	mn (8) is con	fidential busines	s informat	ion (CBI)							
(12) -	- Mark (X) this column if en	ries in co	dumns (10) a	nd (11) are confi	idential bu	ours per day and d	(CBI)	ear					
	Worker activity	CBI		e Equipment/	Binding	Physical forms(s)	Binding	CBI	# of	CBI	Maximu	duration	CBI
(in h	ng dumping, filling drums)	1	-								m		
(10,08	ig dumping, mining drums)		Engineer	ring Controls	Option Mark (x)	and % new substance	Option Mark (x)		Workers		Hrs/day	Days/yr	
	(1)	(2)	7	(3)	(4)	(5)	(6)	(7)	Exposed (8)	(9)	(10)	(11)	(12)
Sampli	ng Reactor		Protectiv			Liquid				X			X
	**************************************	<u> </u>	Equipme							^			1
Filtratio	on		Protectiv	/e		Liquid				Х			Х
		1	Equipme										
Loadin	g Tanker Truck		Protectiv			Liquid				Х	1		X
		-	Equipme	ent									
		1		*					20				
		-						-					
		l			1 1						3.9		
Mor	k (X) this box if you attach a		t										
3. Envi	ronmental Release and Disp	continua	tion sheet.		d t 1. t	1 C 1				.0.1			
releas	sed and other release and disp	osal info	rmation Ma	rk (X) the "Conf	dentiality o	claims for the release	ise numbe	r and t	he amount o	of the ne	w chemica	substance	:
(1)	Enter the number of each rele	ease poin	t identified in	the process des	cription, pa	art II, section A, si	bsection	1d(3).					
(2)	Estimate the amount of the n	ew substa	ance released	(a) directly to th	e environr	ment or (b) into co	ntrol tech	nology	(ın kg/day	or kg/ba	atch)		
(3)	Mark (X) this column if entri	es in col	umns (1) and	(2) are confiden	tial busine	ss information (Cl	31)		•			The same of the sa	
(4)	Identify the media (stack air, which the new substance wil	lugitive I be relea	sed from that	release noint	nanuar), su	irrace water, on-sn	te or on-s	ite ian	or incinera	ation, Po	DIW, or oth	ner (specif	y)) to
(5)	 Describe control technolo 	gy, if any	, and control	efficiency that v	vill be used	d to limit the releas	se of the r	new su	stance to th	ne envir	onment Fo	r releases	
	disposed of on land, characte	rize the c	lisposal meth	od and state whe	ther it is a	pproved for dispos	al of RCI	RA haz	ardous wast	te On a	continuati	on sheet fo	ог
	each site describe any addition the amount released to the en	nal dispo	sal methods	that will be used	and wheth	ner the waste is sul	oject to se	conda	y or tertiary	on-site	treatment	b Estima	ite
(6)	Mark (X) this column if entri	es in coli	umns (4) and	(5) are confident	kg/day) tial busine	ss information (CF	31)						
(7)	Identify the destination(s) of	releases t	to water Plea	ase supply NPDI	ES (Nation	al Pollutant Disch	arge Elim	ination	System) nu	ımbers	for direct di	scharges o	r
	NPDES numbers of the POT	W (Publi	cly Owned Ti	reatment Works)	 Mark (X 	() if the POTW nar	me or NP	DES#	is confident	tial busi	ness inform	ation (CB)	l)
Release Number	Amount of new substance released	e CE	I Media of release	Control	technolog	y and efficiency (y	ou may v	vish to	optionally a	ttach ef	ficiency da	ta)	CBI
(1)	(2a) (2b)	_	e.g. stack air		-				Binding				
	(25)	(3	(4)			(5a)			Mark (X)		(5b)		(6)
1			1288	No. of the same							(55)		
1				STATE OF				•				- 3	
2		X	4	-	No. of Local								
2		_ ^		VIAUCE IEI CA	MEGIGO	With Buch	usea m		ľ			- 1	X
	7												
												1	
		_		 				-	-				_
				1									
1												T	
						-						1	- 1
7) Mark (X) the POTW pro	ude nam	e(s) below	CBI N	avigable		ar Cas	6 .		provide	NPDES #		CBI
destination	1000: 10 (5	riuc main	c(a) nelaw		avigable	Ott	er - Speci	ıy					
eleases to				"			456-2-34					1	
	State of the state								F 5600				
7	210 d 1 4					CHE HONG	-						1
Mark	(X) this box if you attach a	continuat	ion sheet										

Part II-- HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE -- Continued

Section B -- INDUSTRIAL SITES CONTROLLED BY OTHERS

Complete section B for typical processing or use operations involving the new chemical substance at sites you do not control. Importers do not have to complete this section for operations outside the U.S., however, you must report any processing or use activities after import. See the Instructions Manual. Complete a separate section B for each type of processing, or use operation involving the new chemical substance. If the same operation is performed at more than one site describe the typical operation common to these sites. Identify additional sites on a continuation sheet.

1. Operation Description -- To claim information in this section as confidential, circle or bracket the specific information that you claim as confidential.

(1) -- Diagram the major unit operation steps and chemical conversions, including interim storage and transport containers (specify - e.g. 5 gallon pails, 55 gallon drums, rail cars, tank trucks, etc). On the diagram, identify by letter and briefly describe each worker activity. (2) -- Provide the identity, the approximate weight (by kg/day or kg/batch, on an 100% new chemical substance basis), and entry point of all feedstocks (including reactants, solvents and catalysts, etc) and all products, recycle streams, and wastes. Include cleaning chemicals (note frequency if not used daily or per batch). (3) -- Identify by number the points of release, including small or intermittent releases, to the environment of the new chemical substance. (4) Please enter the # of sites (remember to identify the locations of these sites on a continuation sheet).

	-	_
11	P +.	
##	of sites	

Usage is typified by process below – products may by TSCA-listed or may qualify for "polymer exemption". PMN substance delivered to customer in either tank trucks or rail cars and pumped to storage. Substance enters process at "A". See attachment sheet, page 20.

X	Mark	(X) th	s box 1	f you	attach	a continu	ation sheet
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2. Worker Exposure/Environmental Release

(1) -- From the diagram above, provide the letter for each worker activity Complete 2-8 for each worker activity described

(2) -- Estimate the number of workers exposed for all sites combined

(4) -- Estimate the typical duration of exposure per worker in (a) hours per day and (b) days per year

(6) -- Describe physical form of exposure and % new chemical substance (if in mixture), and any protective equipment and engineering controls, if any, used to protect workers

(7) - Estimate the percent of the new substance as formulated when packaged or used as a final product

(9) -- From the process diagram above, enter the number of each release point. Complete 9-13 for each release point identified

(10) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology to the environment (in kg/day or kg/batch)

(12) -- Describe media of release i e stack air, fugitive air (optional-see Instructions Manual), surface water, on-site or off-site land or incineration, POTW, or other (specify) and control technology, if any, that will be used to limit the release of the new substance to the environment

(14) -- Identify byproducts which may result from the operation

(3), (5), (8), (11), (13) and (15) -- Mark (X) this column if any of the proceeding entries are confidential business information (CBI)

Letter of Act- ivity	# of Workers Exposed	CBI	C	ation of osure	СВІ	Protective Equip / Engineering Controls/ Physical Form and % new substance	% in Form- ulation	СВІ	Release Number	Amo N Subs	ount of ew stance eased	CBI	Media of Release & Control Technology	CBI
(1)	(2)	(3)	(4a)	(4b)	(5)	(6)	(7)	(8)	(9)	(10a)	(10b)	(11)	(12)	(13)
Α.	2		2	50		Gloves, goggles, and ventilation	73							
В	1		2	50		Gloves, goggles, and ventilation.	<1		1	0	0 05		Off-site	
С	1		1	50		Gloves, goggles, and ventilation.	<1		2	0	0.05		Off-site	
D	2	1962	3	50		Gloves, goggles, and ventilation.	<1		3	0	0.1		Off-site	
	Byproducts of reac		1000					Los	er effecti	- Allen	7,050			(15)

Mark (X) this box if you attach a continuation sheet,

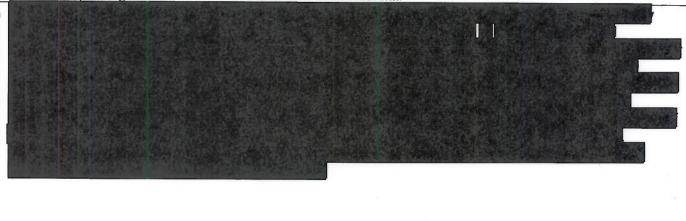
OPTIONAL POLLUTION PREVENTION INFORMATION

To claim information in this section as confidential circle or bracket the specific information that you claim as confidential.

In this section you may provide information not reported elsewhere in this form regarding your efforts to reduce or minimize potential risks associated with activities surrounding manufacturing, processing, use and disposal of the PMN substance. Please include new information pertinent to pollution prevention, including source reduction, recycling activities and safer processes or products available due to the new chemical substance. Source reduction includes the reduction in the amount or toxicity of chemical wastes by technological modification, process and procedure modification, product reformulation, raw materials substitution, and/or inventory control. Recycling refers to the reclamation of useful chemical components from wastes that would otherwise be treated or released as air emissions or water discharges, or land disposal. Descriptions of pollution prevention, source reduction and recycling should emphasize potential risk reduction subsequent to compliance with existing regulatory requirements and can be either quantitative or qualitative. The EPA is interested in the information to assess overall net reductions in toxicity or environmental releases and exposures, not the shifting of risks to other environmental media or non-environmental areas (e.g., occupational or consumer exposure). In addition, information on the relative cost or performance characteristics of the PMN substance to potential alternatives may be provided.

All information provided in this section will be taken into consideration during the review of this substance. See Instructions Manual and Pollution Prevention Guidance manual for guidance and examples.

Describe the expected net benefits, such as (1) an overall reduction in risk to human health or the environment; (2) a reduction in the volume manufactured; (3) a reduction in the generation of waste materials through recycling, source reduction or other means; (4) a reduction in potential toxicity or human exposure and/or environmental release; (5) an increase in product performance, a decrease in the cost of production and/or improved operation efficiency of the new chemical substance in comparison to existing chemical substances used in similar application; or (6) the extent to which the new chemical substance may be a substitute for an existing substance that poses a greater overall risk to human health or the environment.



(X) this box if you attach a continuation sheet.

Part III -- LIST OF ATTACHMENTS

Attach continuation sheets for sections of the form and test data and other data (including physical/chemical properties and structure/activity information), and optional information after this page. Clearly identify the attachment and the section of the form to which it relates, if appropriate. Number consecutively the pages of the attachments. In the column below, enter the inclusive page numbers of each attachment.

Mark (X) the "Confidential" box next to any attachment name you claim as confidential. Read the Instructions Manual for guidance on how to claim any information in an attachment as confidential. You must include with the sanitized copy of the notice form a sanitized version of any attachment in which you claim information as confidential.

Attachment name	Attachment page number(s)	Conf denti
Material Safety Data Sheet (MSDS)	13-15	
Material Safety Data Sheet (MSDS) Molecular Weight Determination - GPC	16-17	
nfared Scan	18-19	
Continuation Sheet for Part II. Section B.1 and B.2	20	
Physical and Chemical Property Information	21	
nventory Expert Service Report	22	
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N		